

# **Fiberglass Roving Market – Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Product (E, ECR, H, AR and S), By Product (Single-end, Multi-end and Chopped), By Type (Transportation, Construction, Electrical & Electronics, Pipe & Tank and Others), By Region, By Competition Forecast & Opportunities, 2018-2028**

<https://marketpublishers.com/r/F2B23A8F48D2EN.html>

Date: October 2023

Pages: 170

Price: US\$ 4,900.00 (Single User License)

ID: F2B23A8F48D2EN

## **Abstracts**

The Global Fiberglass Roving Market was valued at USD 14.97 billion in 2022 and is growing at a CAGR of 5.95% during the forecast period. The market is expected to experience growth attributed to stringent government emission regulations. This requirement has compelled automobile and aircraft manufacturers to utilize fiberglass roving material in vehicle production. Increasing awareness of the advantages of renewable energy sources has driven demand for wind turbines, where fiberglass is extensively employed in manufacturing various structural components, including wind turbine blades.

### **Key Market Drivers**

#### **Growing Demand for Lightweight and High-Strength Materials**

The global fiberglass roving market is propelled by the growing demand for lightweight and high-strength materials in various industries. Comprised of continuous glass fibers bundled together, fiberglass roving boasts exceptional strength-to-weight ratios, making it an optimal choice for applications that prioritize structural integrity and weight reduction.

Industries such as automotive, aerospace, and construction are consistently striving to decrease the weight of end products in order to enhance fuel efficiency, augment payload capacity, and improve overall performance. Within these sectors, fiberglass roving is highly esteemed for its ability to deliver strength and durability while minimizing weight. For instance, in automotive manufacturing, fiberglass roving is utilized to reinforce lightweight composites for vehicle components, thereby resulting in reduced fuel consumption and emissions.

The demand for lightweight materials extends beyond the transportation sector, encompassing areas such as infrastructure, sports equipment, marine, and wind energy applications. As industries aim to meet rigorous performance standards while prioritizing weight reduction, the global fiberglass roving market continues to experience steady growth driven by the escalating demand for lightweight and high-strength materials.

### Expanding Wind Energy Industry

The global wind energy industry serves as a significant catalyst for the growth of the fiberglass roving market. Wind turbine blades, a crucial element of wind energy systems, heavily rely on fiberglass roving for their construction. Fiberglass-reinforced composites offer numerous advantages for wind turbine blades, including exceptional strength, resistance to fatigue, and protection against corrosion.

The wind energy sector has been witnessing substantial expansion due to escalating environmental concerns, ongoing efforts towards energy transition, and the drive to reduce dependence on fossil fuels. As wind turbine technology advances, there is a growing need for larger and more efficient blades to maximize wind energy capture. In this context, fiberglass roving plays a pivotal role by providing the requisite strength and structural integrity required for the elongated and curved turbine blades.

Moreover, in the offshore wind energy sector, where durability and resilience to harsh marine environments are paramount, reliance on fiberglass-reinforced materials is particularly significant. The expansion of offshore wind farms further fuels the demand for fiberglass roving, as it is an integral component in the construction of offshore turbine blades and associated parts.

As the global wind energy industry continues to evolve and expand, the fiberglass roving market is poised to benefit from the increased demand for these specialized materials, solidifying its position as a key driving force.

## Advancements in Composites Manufacturing

Advancements in composites manufacturing techniques and technologies serve as a significant driver for the global fiberglass roving market. The composites industry has witnessed notable innovations in recent years, facilitating the efficient production of intricate, lightweight, and high-performance structures.

Automated manufacturing processes, such as automated tape laying (ATL) and automated fiber placement (AFP), have revolutionized the production of composite parts, including those reinforced with fiberglass roving. These processes enable precise fiber placement and optimal resin impregnation, resulting in composites with enhanced mechanical properties and reduced waste.

Moreover, the development of resin systems with improved curing characteristics and compatibility with fiberglass roving has expanded the range of applications for these materials. High-performance thermosetting and thermoplastic resins are increasingly employed in conjunction with fiberglass roving to manufacture composites with exceptional strength, durability, and heat resistance.

Furthermore, the integration of digital technologies, such as simulation and modeling software, has empowered manufacturers to design and optimize composite structures with greater precision. This ensures that fiberglass-reinforced composites meet specific performance criteria while minimizing material usage and production costs.

As composites manufacturing technologies continue to progress and become more accessible, the global fiberglass roving market benefits from the growing adoption of fiberglass-reinforced composites in various industries, including automotive, aerospace, construction, and consumer goods. These advancements drive the demand for fiberglass roving as a crucial component of high-performance composite materials.

## Key Market Challenges

### Intense Competition from Alternative Materials

One of the primary challenges facing the global fiberglass roving market is the intense competition from alternative materials, particularly carbon fiber and aramid fiber. While fiberglass roving offers several advantages, such as cost-effectiveness, corrosion resistance, and good electrical insulation properties, it faces competition from these high-performance fibers in various applications.

Carbon fiber, known for its exceptional strength-to-weight ratio and stiffness, is a formidable competitor in industries where lightweight and high-strength materials are essential. It is commonly used in aerospace, automotive, and sports equipment applications. Carbon fiber's unique properties make it a preferred choice for applications where fiberglass may fall short in terms of specific strength and rigidity.

Aramid fiber, on the other hand, is valued for its high tensile strength, resistance to abrasion, and flame resistance. It is commonly used in applications requiring durability and flame resistance, such as protective clothing and reinforcement in rubber components.

To address this challenge, the fiberglass roving industry must focus on highlighting its distinct advantages, such as cost efficiency, electrical insulation properties, and corrosion resistance. Additionally, ongoing research and development efforts should explore ways to improve the performance characteristics of fiberglass roving, making it a more competitive choice in markets dominated by alternative materials.

### Environmental and Regulatory Concerns

The global fiberglass roving market is confronted with environmental and regulatory challenges concerning the production and disposal of fiberglass materials. These concerns stem from the potential environmental impact of fiberglass manufacturing, the emissions associated with the production process, and the management of waste materials.

One notable issue revolves around the release of volatile organic compounds (VOCs) and hazardous air pollutants (HAPs) during the resin curing process in fiberglass production. These emissions can have adverse effects on air quality and human health. In numerous regions, stringent environmental regulations necessitate the implementation of emission control measures by fiberglass manufacturers, consequently increasing operational costs.

Moreover, the disposal of waste materials, including cuttings, trimmings, and scraps generated during fiberglass roving production, presents challenges. Proper waste disposal or recycling is crucial for compliance with environmental regulations and minimizing environmental impact.

To effectively address these challenges, the fiberglass roving industry must prioritize

investments in cleaner and more sustainable manufacturing processes that mitigate emissions and reduce waste generation. Establishing and adhering to environmental standards in collaboration with regulatory authorities is paramount for ensuring long-term sustainability.

### Variability in Raw Material Supply and Prices

The global fiberglass roving market is susceptible to fluctuations in the supply and prices of raw materials, primarily glass fiber. Glass fiber is a crucial component in fiberglass roving production, and its availability and cost can be influenced by factors such as silica sand availability, energy prices, and global economic conditions.

The supply of high-quality glass fiber can be constrained by factors like limited access to silica sand deposits and fluctuations in energy costs. These factors impact the melting and drawing processes used in glass fiber production, resulting in supply constraints and price volatility that affect the overall cost structure of fiberglass roving production.

Furthermore, fluctuations in currency exchange rates and trade policies can impact the cost of imported raw materials, further contributing to price instability.

To address these challenges, fiberglass roving manufacturers often employ strategic sourcing and diversify their supplier base to ensure a stable supply of raw materials. Additionally, they may explore alternative sources of raw materials and invest in research and development to develop innovative materials that reduce dependence on traditional glass fibers. Effective supply chain management and risk mitigation strategies play a critical role in addressing the variability in raw material supply and prices.

### Key Market Trends

#### Increasing Demand for Lightweight Composites in Automotive Industry

One notable trend observed in the global fiberglass roving market is the growing demand for lightweight composites within the automotive industry. As automakers endeavor to meet stringent fuel efficiency and emissions standards while enhancing vehicle performance and safety, the utilization of lightweight materials such as fiberglass-reinforced composites has gained substantial traction.

When employed as a reinforcement in composites, fiberglass roving offers an enticing

solution for reducing the weight of automotive components without compromising structural integrity. Various components, including body panels, chassis parts, interior trim, and under-the-hood applications, derive significant benefits from the exceptional strength-to-weight ratio provided by fiberglass-reinforced composites.

Moreover, with the increasing prevalence of electric and hybrid vehicles, the significance of lightweight materials becomes even more pronounced as they contribute to extending driving range and improving overall efficiency. In this regard, fiberglass-reinforced composites play a pivotal role in achieving these objectives.

Furthermore, the shift towards electric mobility presents fresh prospects for fiberglass roving in the manufacturing of battery enclosures. These enclosures necessitate materials with outstanding mechanical properties, electrical insulation, and resistance to chemical exposure. This expanding application aptly demonstrates the versatile nature of fiberglass roving in effectively addressing the dynamic requirements of the automotive industry.

### Growth in Wind Energy Sector

The global wind energy sector serves as a significant catalyst for the demand of fiberglass roving, and this upward trend is projected to persist. Fiberglass roving plays a vital role in the construction of wind turbine blades, a critical component of wind energy systems.

With rising environmental concerns, renewable energy targets, and advancements in wind turbine technology, the wind energy industry is witnessing rapid growth. Consequently, there is an increasing need for longer and more efficient turbine blades. Fiberglass-reinforced composites, renowned for their exceptional strength-to-weight ratio, fatigue resistance, and corrosion resistance, have become the preferred materials for these large and intricate turbine blades.

The offshore wind farm sector, in particular, presents a significant growth opportunity for fiberglass roving. Offshore turbines necessitate materials capable of withstanding harsh marine environments, including exposure to saltwater and extreme weather conditions. Fiberglass-reinforced composites offer the durability and reliability required for these offshore applications.

As the global transition towards renewable energy sources gains momentum, the demand for fiberglass roving in the wind energy sector is expected to remain strong,



solidifying its status as a key market trend.

## Segmental Insights

### Type Insights

The E segment holds a significant market share in the Global Fiberglass Roving Market. E-glass is a fiberglass variant renowned for its exceptional electrical insulation properties, high tensile strength, and remarkable resistance to environmental factors. Its versatility and cost-effectiveness make it a widely utilized material across various industries.

The electrical insulation properties of E-glass fibers are highly esteemed, making them ideal for applications that require minimal electrical conductivity. These fibers are commonly used in electrical insulators, circuit boards, and electrical cables.

In the construction industry, E-glass fibers play a pivotal role as reinforcement in composites, particularly in the production of lightweight and high-strength concrete. E-glass-reinforced concrete enhances structural performance and durability, making it a preferred choice for buildings, bridges, and infrastructure projects.

The automotive industry utilizes E-glass for reinforcing composites in various vehicle components. This aids in reducing vehicle weight while maintaining mechanical strength. As the automotive industry continues to prioritize lightweighting for improved fuel efficiency and emissions reduction, E-glass remains an invaluable material.

In the aerospace industry, E-glass composites are valued for their combination of lightweight properties and mechanical strength. These composites are employed in aircraft interiors, structures, and components where weight reduction is crucial.

### End User Insights

The Construction segment holds a significant market share in the Global Fiberglass Roving Market. The construction segment of the global fiberglass roving market focuses on the utilization of fiberglass roving as a reinforcing material in various construction applications. Fiberglass roving, comprising continuous glass fibers bundled together, offers distinct advantages when incorporated into construction materials, such as concrete, composites, and insulating materials.

Fiberglass roving is renowned for its exceptional strength-to-weight ratio, enhancing the structural integrity of construction materials while reducing overall weight. This attribute proves particularly valuable in weight-sensitive construction applications, including high-rise buildings and bridges.

Moreover, fiberglass roving exhibits excellent resistance to thermal stress and chemicals, rendering it suitable for applications requiring materials to withstand high temperatures, harsh weather conditions, and exposure to corrosive substances.

Furthermore, fiberglass roving finds extensive use as a reinforcement in lightweight concrete, enhancing its structural performance while reducing density. This characteristic proves advantageous in high-rise construction projects, resulting in cost savings and improved structural performance.

Additionally, fiberglass-reinforced composites find application in scenarios necessitating high-temperature insulation, such as industrial furnaces and fire-resistant materials. By incorporating fiberglass roving, the performance of refractory materials is enhanced, improving their resistance to thermal stress and heat transfer.

## Regional Insights

The Asia Pacific region is expected to dominate the market during the forecast period.

The Asia Pacific region is currently experiencing strong growth in the fiberglass roving market. This growth is primarily driven by the region's increasing industrialization, infrastructure development, and demand for lightweight and high-strength materials. The construction, automotive, wind energy, and marine industries in the Asia Pacific are significant consumers of fiberglass roving.

The construction industry in the Asia Pacific is undergoing rapid expansion, fueled by urbanization and infrastructure development projects. Fiberglass roving is widely used in applications such as lightweight concrete, thermal insulation, and structural reinforcements. As countries invest in modern infrastructure, the demand for fiberglass roving in construction materials continues to rise.

Asia Pacific is a major hub for automotive manufacturing, and automakers in the region are increasingly adopting lightweight composites, including those reinforced with fiberglass roving. The growing demand for electric vehicles (EVs) is also contributing to the increased use of lightweight materials, thereby further boosting the fiberglass roving



market.

In the wind energy sector, Asia Pacific is witnessing significant growth, particularly in countries like China and India. Wind turbine blades, which are critical components of wind turbines, heavily rely on fiberglass-reinforced composites. As the region invests in renewable energy, the demand for fiberglass roving for blade construction is expected to soar.

To meet the growing demand, many global fiberglass roving manufacturers are expanding their production facilities in the Asia Pacific region. This trend is driven by the region's economic growth and the need to be in close proximity to key markets.

### Key Market Players

Taiwan Glass Industry Corporation

PFG Fiberglass Corporation

Reliance Industries

Nitto Boseki Co. Limited

China National Building Material Company Limited

Nippon Electric Glass Co Ltd

Saint-Gobain Vetrotex

Binani Industries Ltd

AGY Holding Corporation

Johns Manville Corporation

### Report Scope:

In this report, the Global Fiberglass Roving Market has been segmented into the following categories, in addition to the industry trends which have also been detailed

below:

Global Fiberglass Roving Market, By Type:

E

ECR

H

AR

S

Global Fiberglass Roving Market, By Product:

Single-end

Multi-end

Chopped

Global Fiberglass Roving Market, By End User:

Transportation

Construction

Electrical & Electronics

Pipe & Tank

Others

Global Fiberglass Roving Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Fiberglass Roving Market.

### Available Customizations:

Global Fiberglass Roving Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

### Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

### **4. VOICE OF CUSTOMERS**

### **5. GLOBAL FIBERGLASS ROVING MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Type (E, ECR, H, AR and S)
  - 5.2.2. By Product (Single-end, Multi-end and Chopped)
  - 5.2.3. By End User (Transportation, Construction, Electrical & Electronics, Pipe & Tank and Others)
  - 5.2.4. By Region
- 5.3. By Company (2022)
- 5.4. Market Map

### **6. NORTH AMERICA FIBERGLASS ROVING MARKET OUTLOOK**

## 6.1. Market Size & Forecast

### 6.1.1. By Value

## 6.2. Market Share & Forecast

### 6.2.1. By Type

### 6.2.2. By Product

### 6.2.3. By End User

### 6.2.4. By Country

## 6.3. North America: Country Analysis

### 6.3.1. United States Fiberglass Roving Market Outlook

#### 6.3.1.1. Market Size & Forecast

##### 6.3.1.1.1. By Value

#### 6.3.1.2. Market Share & Forecast

##### 6.3.1.2.1. By Type

##### 6.3.1.2.2. By Product

##### 6.3.1.2.3. By End User

### 6.3.2. Canada Fiberglass Roving Market Outlook

#### 6.3.2.1. Market Size & Forecast

##### 6.3.2.1.1. By Value

#### 6.3.2.2. Market Share & Forecast

##### 6.3.2.2.1. By Type

##### 6.3.2.2.2. By Product

##### 6.3.2.2.3. By End User

### 6.3.3. Mexico Fiberglass Roving Market Outlook

#### 6.3.3.1. Market Size & Forecast

##### 6.3.3.1.1. By Value

#### 6.3.3.2. Market Share & Forecast

##### 6.3.3.2.1. By Type

##### 6.3.3.2.2. By Product

##### 6.3.3.2.3. By End User

## 7. ASIA-PACIFIC FIBERGLASS ROVING MARKET OUTLOOK

### 7.1. Market Size & Forecast

#### 7.1.1. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Type

#### 7.2.2. By Product

#### 7.2.3. By End User

#### 7.2.4. By Country



- 7.3. Asia-Pacific: Country Analysis
  - 7.3.1. China Fiberglass Roving Market Outlook
    - 7.3.1.1. Market Size & Forecast
      - 7.3.1.1.1. By Value
    - 7.3.1.2. Market Share & Forecast
      - 7.3.1.2.1. By Type
      - 7.3.1.2.2. By Product
      - 7.3.1.2.3. By End User
  - 7.3.2. India Fiberglass Roving Market Outlook
    - 7.3.2.1. Market Size & Forecast
      - 7.3.2.1.1. By Value
    - 7.3.2.2. Market Share & Forecast
      - 7.3.2.2.1. By Type
      - 7.3.2.2.2. By Product
      - 7.3.2.2.3. By End User
  - 7.3.3. Japan Fiberglass Roving Market Outlook
    - 7.3.3.1. Market Size & Forecast
      - 7.3.3.1.1. By Value
    - 7.3.3.2. Market Share & Forecast
      - 7.3.3.2.1. By Type
      - 7.3.3.2.2. By Product
      - 7.3.3.2.3. By End User
  - 7.3.4. South Korea Fiberglass Roving Market Outlook
    - 7.3.4.1. Market Size & Forecast
      - 7.3.4.1.1. By Value
    - 7.3.4.2. Market Share & Forecast
      - 7.3.4.2.1. By Type
      - 7.3.4.2.2. By Product
      - 7.3.4.2.3. By End User
  - 7.3.5. Australia Fiberglass Roving Market Outlook
    - 7.3.5.1. Market Size & Forecast
      - 7.3.5.1.1. By Value
    - 7.3.5.2. Market Share & Forecast
      - 7.3.5.2.1. By Type
      - 7.3.5.2.2. By Product
      - 7.3.5.2.3. By End User

## **8. EUROPE FIBERGLASS ROVING MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Type
  - 8.2.2. By Product
  - 8.2.3. By End User
  - 8.2.4. By Country
- 8.3. Europe: Country Analysis
  - 8.3.1. Germany Fiberglass Roving Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Type
      - 8.3.1.2.2. By Product
      - 8.3.1.2.3. By End User
  - 8.3.2. United Kingdom Fiberglass Roving Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Type
      - 8.3.2.2.2. By Product
      - 8.3.2.2.3. By End User
  - 8.3.3. France Fiberglass Roving Market Outlook
    - 8.3.3.1. Market Size & Forecast
      - 8.3.3.1.1. By Value
    - 8.3.3.2. Market Share & Forecast
      - 8.3.3.2.1. By Type
      - 8.3.3.2.2. By Product
      - 8.3.3.2.3. By End User
  - 8.3.4. Italy Fiberglass Roving Market Outlook
    - 8.3.4.1. Market Size & Forecast
      - 8.3.4.1.1. By Value
    - 8.3.4.2. Market Share & Forecast
      - 8.3.4.2.1. By Type
      - 8.3.4.2.2. By Product
      - 8.3.4.2.3. By End User
  - 8.3.5. Spain Fiberglass Roving Market Outlook
    - 8.3.5.1. Market Size & Forecast
      - 8.3.5.1.1. By Value

#### 8.3.5.2. Market Share & Forecast

##### 8.3.5.2.1. By Type

##### 8.3.5.2.2. By Product

##### 8.3.5.2.3. By End User

## **9. SOUTH AMERICA FIBERGLASS ROVING MARKET OUTLOOK**

### 9.1. Market Size & Forecast

#### 9.1.1. By Value

### 9.2. Market Share & Forecast

#### 9.2.1. By Type

#### 9.2.2. By Product

#### 9.2.3. By End User

#### 9.2.4. By Country

### 9.3. South America: Country Analysis

#### 9.3.1. Brazil Fiberglass Roving Market Outlook

##### 9.3.1.1. Market Size & Forecast

###### 9.3.1.1.1. By Value

##### 9.3.1.2. Market Share & Forecast

###### 9.3.1.2.1. By Type

###### 9.3.1.2.2. By Product

###### 9.3.1.2.3. By End User

#### 9.3.2. Argentina Fiberglass Roving Market Outlook

##### 9.3.2.1. Market Size & Forecast

###### 9.3.2.1.1. By Value

##### 9.3.2.2. Market Share & Forecast

###### 9.3.2.2.1. By Type

###### 9.3.2.2.2. By Product

###### 9.3.2.2.3. By End User

#### 9.3.3. Colombia Fiberglass Roving Market Outlook

##### 9.3.3.1. Market Size & Forecast

###### 9.3.3.1.1. By Value

##### 9.3.3.2. Market Share & Forecast

###### 9.3.3.2.1. By Type

###### 9.3.3.2.2. By Product

###### 9.3.3.2.3. By End User

## **10. MIDDLE EAST & AFRICA FIBERGLASS ROVING MARKET OUTLOOK**

## 10.1. Market Size & Forecast

### 10.1.1. By Value

## 10.2. Market Share & Forecast

### 10.2.1. By Type

### 10.2.2. By Product

### 10.2.3. By End User

### 10.2.4. By Country

## 10.3. Middle East & Africa: Country Analysis

### 10.3.1. Saudi Arabia Fiberglass Roving Market Outlook

#### 10.3.1.1. Market Size & Forecast

##### 10.3.1.1.1. By Value

#### 10.3.1.2. Market Share & Forecast

##### 10.3.1.2.1. By Type

##### 10.3.1.2.2. By Product

##### 10.3.1.2.3. By End User

### 10.3.2. South Africa Fiberglass Roving Market Outlook

#### 10.3.2.1. Market Size & Forecast

##### 10.3.2.1.1. By Value

#### 10.3.2.2. Market Share & Forecast

##### 10.3.2.2.1. By Type

##### 10.3.2.2.2. By Product

##### 10.3.2.2.3. By End User

### 10.3.3. UAE Fiberglass Roving Market Outlook

#### 10.3.3.1. Market Size & Forecast

##### 10.3.3.1.1. By Value

#### 10.3.3.2. Market Share & Forecast

##### 10.3.3.2.1. By Type

##### 10.3.3.2.2. By Product

##### 10.3.3.2.3. By End User

## 11. MARKET DYNAMICS

### 11.1. Drivers

### 11.2. Challenge

## 12. MARKET TRENDS & DEVELOPMENTS

## 13. COMPANY PROFILES

- 13.1. Taiwan Glass Industry Corporation
  - 13.1.1. Business Overview
  - 13.1.2. Key Revenue and Financials
  - 13.1.3. Recent Developments
  - 13.1.4. Key Personnel
  - 13.1.5. Key Product/Services
- 13.2. PFG Fiberglass Corporation
  - 13.2.1. Business Overview
  - 13.2.2. Key Revenue and Financials
  - 13.2.3. Recent Developments
  - 13.2.4. Key Personnel
  - 13.2.5. Key Product/Services
- 13.3. Reliance Industries
  - 13.3.1. Business Overview
  - 13.3.2. Key Revenue and Financials
  - 13.3.3. Recent Developments
  - 13.3.4. Key Personnel
  - 13.3.5. Key Product/Services
- 13.4. Nitto Boseki Co. Limited
  - 13.4.1. Business Overview
  - 13.4.2. Key Revenue and Financials
  - 13.4.3. Recent Developments
  - 13.4.4. Key Personnel
  - 13.4.5. Key Product/Services
- 13.5. China National Building Material Company Limited
  - 13.5.1. Business Overview
  - 13.5.2. Key Revenue and Financials
  - 13.5.3. Recent Developments
  - 13.5.4. Key Personnel
  - 13.5.5. Key Product/Services
- 13.6. Nippon Electric Glass Co Ltd
  - 13.6.1. Business Overview
  - 13.6.2. Key Revenue and Financials
  - 13.6.3. Recent Developments
  - 13.6.4. Key Personnel
  - 13.6.5. Key Product/Services
- 13.7. Saint-Gobain Vetrotex
  - 13.7.1. Business Overview
  - 13.7.2. Key Revenue and Financials

13.7.3. Recent Developments

13.7.4. Key Personnel

13.7.5. Key Product/Services

13.8. Binani Industries Ltd

13.8.1. Business Overview

13.8.2. Key Revenue and Financials

13.8.3. Recent Developments

13.8.4. Key Personnel

13.8.5. Key Product/Services

13.9. AGY Holding Corporation

13.9.1. Business Overview

13.9.2. Key Revenue and Financials

13.9.3. Recent Developments

13.9.4. Key Personnel

13.9.5. Key Product/Services

13.10. Johns Manville Corporation

13.10.1. Business Overview

13.10.2. Key Revenue and Financials

13.10.3. Recent Developments

13.10.4. Key Personnel

13.10.5. Key Product/Services

## **14. STRATEGIC RECOMMENDATIONS**

## **15. ABOUT US & DISCLAIMER**



## I would like to order

Product name: Fiberglass Roving Market – Global Industry Size, Share, Trends, Opportunity, and Forecast Segmented By Product (E, ECR, H, AR and S), By Product (Single-end, Multi-end and Chopped), By Type (Transportation, Construction, Electrical & Electronics, Pipe & Tank and Others), By Region, By Competition Forecast & Opportunities, 2018-2028

Product link: <https://marketpublishers.com/r/F2B23A8F48D2EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/F2B23A8F48D2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970